

## Press Release

Gilching, April 2, 2025

# Modular Curing Systems for the Finishing of Laminate Flooring and Decorative Panels

The UV specialist Hönle offers customized curing and drying solutions for surface treatment of wood, fiber, and plastic panels, which are used in a wide range of manufacturing processes worldwide. The modular supply concept developed by Hönle provides significant advantages for equipment manufacturers and users in terms of planning security and flexibility.

Curing with UV systems has become indispensable in the **production of flooring, furniture, and kitchen fronts**, especially when it comes to surface finishing. This is due to the outstanding properties of UV-reactive coatings, such as scratch resistance, abrasion resistance, and resistance to chemicals or UV light. UV coatings enable the manufacturing of perfect final products with a long service life. Furthermore, the curing of coatings, printing inks, and finishes takes place within fractions of a second — an advantage for fast, reliable, and cost-effective manufacturing processes. All these advantages come along with an environmental-friendly technology as UV curable inks and coatings are solvent free solutions.

In addition to coating real wood, Hönle UV and LED-UV drying systems are also used in the production of an innovative breakthrough: **surfaces with the look and feel of wood**. Achieving these realistic effects requires a complex production process. Layer by layer, the perfect illusion is created through

---

## Press Release

multiple individual steps. Typically, plastic or fiberboard, such as HDF or MDF, is used for this purpose. The raw panels pass through several printing, coating, and processing stations on conveyor belts, with the number of stations varying depending on the final product's requirements and design. At most of these stations, UV or LED-UV systems are used for intermediate or final curing — either partially or for the entire surface. The curing units, which are usually air- or air/water-cooled, are firmly integrated into the different production stations, with power supply and control managed externally.

To complement its proven system, Hönle now offers a **new modular concept** that not only simplifies the ordering and delivery process but also provides machine manufacturers with planning security and maximum flexibility in application. This concept also allows the production line to be expanded with additional UV modules at a later stage with minimal effort. Thereby the UV modules can be freely positioned within the process chain. This makes it easy to adapt to future changes in production speed and product design.

The scope of delivery includes the lamp housing in the desired length and required power, along with a process-specific doped UV lamp. Hönle also supplies a standardized mounting plate equipped with an electronic ballast (with power ranges from 12 to 34 kW in 0.5 kW steps) for installation in the plant manufacturer's control cabinet. Communication between the central control system and the UV system is managed via a bus interface (Profi-NET).

**At LIGNA 2025, Hönle will showcase a selection of its conventional UV and LED-UV curing systems**, which can be tailored to individual customer needs in terms of application and machine environment or comes integrated into an inertized UV chamber.

---

## Press Release

A particularly noteworthy innovation is the **technology partnership between Hönle and the IOT GmbH** in the field of matting. IOT is a globally leading company in surface modification using excimer UV technology, with extensive application expertise. The combination of IOT's excimer technology and Hönle's UV components delivers reliable and reproducible results for matte and super-matte surfaces.

**Visit Hönle at LIGNA, Hall 017, Booth A41.**



**Caption:**  
Calendar Coating Inert (CCI) with  
downstream UV curing

## Press Release

**About Hönle Group:** Dr. Hönle AG is the parent company of the Hönle Group, based in Gilching / Munich. The publicly listed UV specialist is one of the world's leading suppliers of industrial UV technology. The company develops, manufactures, and markets UV/LED-UV systems and equipment, UV lamps, and UV measuring technology for various application fields worldwide. The business is divided into the three **Business Units: Curing, Disinfection, and Adhesive Systems**.

The **Business Unit Curing** comprises experts in curing and drying solutions for printing and coating applications. **Hönle** develops, produces, and distributes UV/LED-UV devices and systems for coatings and digital printing, along with the corresponding measuring technology.

The division **Eltosch Grafix** represents UV/LED-UV curing devices and IR/hot air dryers for sheetfed printing applications, as well as peripheral equipment for the printing industry.

**PrintConcept** is the expert for UV devices and UV/inert UV systems for web printing.

In addition to **international subsidiaries** in China, Korea, France, Great Britain, Austria, Malta, and the USA, as well as a sales office in Italy, the group has a **dense network of distribution partners** worldwide.

### Press Contact

**Claudia Bussmann**

+49 (0)8105 2083-216

[claudia.bussmann@hoenle.de](mailto:claudia.bussmann@hoenle.de)

**Dr. Hönle AG**

Nicolaus-Otto-Str. 2

82205 Gilching

Germany

[www.hoenle.com](http://www.hoenle.com)

